



MECHANICAL PROPERTIES

Size			ø5	ø6	ø8	ø10	ø12	ø14
Plug diameter	d	[mm]	5	6	8	10	12	14
Hole diameter in substrate	d ₀	[mm]	5	6	8	10	12	14
Hole diameter in fixture	d _{fix}	[mm]	6	7	9	11	13	15
Minimum hole depth	h ₀	[mm]	35	40	50	60	70	80
Installation depth	h _{nom}	[mm]	25	30	40	50	60	70
Minimum substrate thickness	h _{min}	[mm]	55	60	70	80	90	100

PERFORMANCE DATA IN [KN]

Size			ø5	ø6	ø8	ø10	ø12	ø14
Installation depth	h _{nom}	[mm]	25	30	40	50	60	70
CONCRETE C20/25								
Characteristic resistance	N _{Rk}	[kN]	0.38	0.22	0.64	0.85	2.64	2.99
Design resistance	N _{Rd}	[kN]	0.20	0.10	0.30	0.40	1.30	1.50
Recommended loads	N _{rec}	[kN]	0.14	0.07	0.21	0.29	0.93	1.07
SOLID BRICK 7.5 MPA								
Characteristic resistance	N _{Rk}	[kN]	-	-	0.93	0.92	2.42	1.49
Design resistance	N _{Rd}	[kN]	-	-	0.45	0.45	1.20	0.75
Recommended loads	N _{rec}	[kN]	-	-	0.32	0.32	0.86	0.54
AERATED CONCRETE 600								
Characteristic resistance	N _{Rk}	[kN]	-	-	1.13	0.73	1.47	1.33
Design resistance	N _{Rd}	[kN]	-	-	0.55	0.35	0.75	0.65
Recommended loads	N _{rec}	[kN]	-	-	0.39	0.25	0.54	0.46

PERFORMANCE DATA IN [KG]

Size			ø5	ø6	ø8	ø10	ø12	ø14
Installation depth	h _{nom}	[mm]	25	30	40	50	60	70
CONCRETE C20/25								
Characteristic resistance	N _{Rk}	[kg]	38.0	22.0	64.0	85.0	264.0	299.0
Design resistance	N _{Rd}	[kg]	20.0	10.0	30.0	40.0	130.0	150.0
Recommended loads	N _{rec}	[kg]	14.3	7.1	21.4	28.6	92.9	107.1
SOLID BRICK 7.5 MPA								
Characteristic resistance	N _{Rk}	[kg]	-	-	93.0	92.0	242.0	149.0
Design resistance	N _{Rd}	[kg]	-	-	45.0	45.0	120.0	75.2
Recommended loads	N _{rec}	[kg]	-	-	32.1	32.1	85.7	53.7
AERATED CONCRETE 600								
Characteristic resistance	N _{Rk}	[kg]	-	-	113.0	73.0	147.0	133.0
Design resistance	N _{Rd}	[kg]	-	-	55.0	35.0	75.0	65.0
Recommended loads	N _{rec}	[kg]	-	-	39.3	25.0	53.6	46.4

INSTALLATION

